COLLECTIONS OF DUFOUREA VERSATILIS (HYMENOPTERA: HALICTIDAE) FROM IDAHO¹

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ABSTRACT: *Dufourea versatilis* was collected outside California for the first time on *Mimulus nanus* (Scrophulariaceae) at two areas in central Idaho during the summers of 1987 and 1988.

Insect visitors of *Mimulus nanus* (Scrophulariaceae) were collected in the summers of the 1987 and 1988 at two locations in central Idaho: one at Craters of the Moon National Monument, Butte County and the other north of Ketchum, Blaine County. The vegetation in both areas consists of rabbit-brush (*Chrysothamnus nauseosus*), sagebrush (*Artemesia tridentata*), antelope bitter-brush (*Purshia tridentata*), and many annual and perennial herbs. The mean annual precipitation in each area is approximately 38 cm. Insect visitors were collected twice weekly starting in late May when the plants started blooming and continued until plants stopped blooming. In 1987 insects were collected through July, whereas in 1988, because of drought conditions, all *M. nanus* plants were finished blooming by the first of July.

One insect collected, *Dufourea versatilis* (Bridwell) (Halictidae), previously had been collected only in California (Hurd 1979). Both male and female bees were collected, but during 1987 only 1 male was collected at the Craters site whereas 1 male and 3 females were collected from the Ketchum site. In 1988 no *D. versatilis* were collected at the Craters site, but 19 of the 25 insect visitors collected at the Ketchum site were *D. versatilis*. Of these 19, 14 were females and 5 were males.

Dufourea versatilis is an oligolege of Mimulus species in California (Hurd 1979). In all sampling periods during this study, D. versatilis was observed foraging only on M. nanus at the two areas. It is likely that it has never been collected outside California because insect pollinators of most Mimulus species have not been collected elsewhere. I predict that D. versatilis will be found in any location that has populations of M. nanus, including eastern Oregon, eastern Washington, northern Nevada, western Montana, central and western Idaho, and western Wyoming around Yellowstone and Grand Teton National Parks.

ACKNOWLEDGMENTS

I would like to thank J. Anderson, R. Anderson, N. Huntly, K. Holte, and two anonymous reviewers for comments on an earlier version of this manuscript. Additionally, I

ENT. NEWS 101(1): 67-68, January & February, 1990

Received July 5, 1989. Accepted November 9, 1989.

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thank the personnel, especially T. Griswold, at the U.S. D. A. Bee Lab at Utah State University in Logan, Utah for identification of the collected bees and wasps and the National Park Service at Craters of the Moon National Monument for their cooperation during the duration of this project. This research was funded by a Grant-in-Aid of Research from Sigma XI and a grant from the Idaho State University Graduate Student Research Committee.

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